BRUHATH BENGALURU MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

APPROVED SCHEDULE –'B'

Name of Work:- Asphalting to roads at Chowdappa layout, Maruthi layout, Hillside Medows and surrounding areas in ward no:03 Yelahanka satellite town sub division

Sl	Description	Unit	Approved Qty	Approved Rae Technical Manager(West) KRIDL, BBMP	
				Rate	Rate in Words
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)	Cum	624.80	211.79	Rupees Two hundred eleven and paise seventy nine only
2	KSRRMBM29901 plain cement concrete of mix M10 MIX with crushed stone aggregaes 40mm nomial size mechanically mixed placed infoundation and compacted by viberation including cost of all materials labour HOM of machinery curing complete as per specifications specification No.P No.254/Item no 34.2 PWD SR 2018-19	Cum	93.72	4479.56	Rupees Four thousand four hundred seventy nine and paise fifty six only
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)	Cum	195.96	7070.20	Rupees Seven Thousand Seventy and Paise Twenty Only

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	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&220 complete as per specifications and directions of the Engineer in charge.	tonne	11.07	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	506.70	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
6	5.29(b)Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge.complete as per specifications and directions of the Engineer in charge.	Nos	1262.00	477.00	Rupees four hundred seventy seven only
7	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)	Sqm	227.20	84.80	Rupees Eighty Four and Paise Eighty Only
8	KSRRB M 300-13 Excavation for road way in hard rock (reaking blasting) by drilling and breaking trimming of bottom and side slopes in accordance with requirements of lines grades and cross sections loading and stacking at site of cut road with lead of 1.00 km and complete as per specification (excavated rock credited to contractor) Morth specification	Cum	2288.40	43.46	Rupees forty three and paise forty six only

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	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3complete as per specifications and directions of the Engineer in charge	Sqm	3935.00	41.34	Rupees Forty One and Thirty Four Paise Only
10	KSRRB 300-58. Compaction of original ground by mechanical means including gilling in depression occuring during rolling including cost of all labour,HOM complete as per specifications. MORTH complete as per specifications and directions of the Engineer in charge.	Sqm	7331.00	6.36	Rupees Six and Thirty Six Paise Only
11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	615.30	1855.00	Rupees One thousand eight hundred fifty five only
12	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	Cum	2296.03	2001.28	Rupees two thousand one and paise twenty eight only
13	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)	Sqm	5250.00	33.92	Rupees Thirty three and paise ninety two only

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	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)	Cum	262.50	7428.48	Rupees Seven thousand four hundred twenty eight and paise forty eight only
15	Cleaning the excisting blak topped surface with brooms soft brushs and finally dusting with old gunny bags and compressed air to receive bituuminous tratment including cost of all materials labours HOM complete as per specifications P.No 158 /Itme No 21.2/PWD ST 20180-19	Sqm	2115.00	5.30	Rupees Five and paise thirty onely
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)	Sqm	10904.00	12.72	Rupees Twelve and paise seventy two only
17	plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading permixed with bituminous binder at 5.4 to 5.6% of mix to work site laying with fydrostatic paver finisher with sensor control to the required grade level and alignment rolling with sommth wheeled vibratory and tandem rolled t achive the desire compaction as per MORTH specification clause No 500.9 complete in all respects as per specification MORTH specification 30-45mm compacted thickness (Grading -II with 6% bitumen 80/100 No 161/Item No.21.22.1	Cum	435.68	8831.92	Rupees Eight thousand eight hundred thirty one and paise ninety two only

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	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)	Sqm	398.80	454.74	Rupees Four hundred fifty four and paise seventy four only

Signature of the Contractor

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